

Testing JWT-based Authentication

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Authentication: Hacker News API

- 2 “end points” associated with authentication in Hacker News example
 - **/api/users**: for registering/authentication and getting a Javascript Web Token(JWT).

GET	/api/users	gets all users	↶
POST	/api/users	Register/Authenticates a User	↶

- **/api/posts**: protected by passport middleware(requires a JWT)

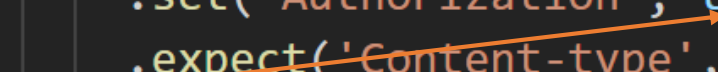
GET	/api/posts	Get all posts	🔒 ↶
POST	/api/posts	Add a new post	🔒 ↶

Posts API requires JWT token

- Request a token before tests

```
before((done) => {  
  testUser.username = 'user1';  
  testUser.password = 'test1';  
  // calling home page api  
  supertest(app)  
    .post('/api/users')  
    .send(testUser)  
    .expect(200)  
    .then((res) => {  
      // HTTP status should be 200  
      res.should.have.property('status').equal(200);  
      res.body.should.have.property('success').equal(true);  
      token = res.body.token;  
      done();  
    });  
});
```

- Use token in tests

```
it('should get a list of Posts', (done) => {  
  supertest(app)  
    .get('/api/posts')  
    .set('Authorization', token)  
    .expect('Content-type', /json/)   
    .expect(200).then((res) => {  
      // HTTP status should be 200  
    });  
  done();  
});
```